AUTOMATION INSTRUMENTATION SUMMIT 2018

AIS-ISA ITALY
AUTOMATION INSTRUMENTATION SUMMIT 2018
co-locate with 5th ISA EMEA

Conference Programme
July 4 & 5, 2018 - Castello di Belgioioso, Pavia - Italy
‘There is no future without the past’ was the leitmotiv of the Automation Instrumentation Summit 2017. This year as well a historical mansion will be the ideal meeting point for people and companies working in the present and projecting for the future.

AIS and ISA Italy, promoters of the event, have chosen the bee logo as a symbol of laboriousness and engagement in order to explain the activity of the two Associations that, working together for the same goal, can develop added value to the sectors instrumentation, automation and control through workshops, study days and conferences. Automation Instrumentation Summit 2018 has been launched with the best premises both for the number and quality of the exhibitors and for the high profile of the speakers who will enrich the event with precious contents.

In order to meet the need of increasing request of exhibition and conference area, two further meeting rooms will be available in the medieval section of the Castle, now completely restored.

We are glad to welcome you again to the Automation Instrumentation Summit on July 4 and 5, 2018!

Diego Bertazzo
AIS President

Matteo Finardi
ISA Italy President

Claudio Montresor
AIS Vice President
The AIS-ISA Italy Conference Advisory Board is made up of experts from oil&gas, petrochemical, power, pharmaceutical, steel and water industry. The Advisory Board will meet to evaluate the papers.

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**General INFORMATION**

- **Venue Address**
  Castello di Belgioioso
  Viale Dante Alighieri 3
  Phone: +39 0382 969250
  Email: info@belgioioso.it
  Web: www.belgioioso.it

- **Promoted by**
  AIS-ISA Italy
  Viale Campania 31 – 20133 Milano
  Tel: +39 02 54123816
  event@aisisa.it
  www.aisisa.it
  www.automationinstrumentationsummit.com

- **Opening time**
  Trade exhibition from 9.15 to 18.00
  Congress from 10.00 to 17.00

- **Visitor Registration**
  Visitors are kindly requested to register online at:
  www.automationinstrumentationsummit.com/Visitor Registration
  Registered participants will receive their badge at their e-mail address before the event.

- **Congress Language**
  English

- **Social Programme**
  Buffet lunches and Open bar.
  An open bar and buffet lunches are foreseen during the event days for all registered participants.

**THEMES AND TOPICS**

- **Products and systems evolution**

  - **THEME 1** Advances in control systems
  - **THEME 2** The Industrial Internet of Things, 4.0, cybersecurity
  - **THEME 3** Instrumentation & analysers technology evolution
**Wednesday, July 4, 2018 - ROOM DEGLI STUCCHI**

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<tr>
<td>09:45</td>
<td>Welcome Speech</td>
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<td>Diego Bertazzo</td>
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<td>Keynote speech: Maria Cristina Messa</td>
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<td>11:00</td>
<td>Flavio Devide</td>
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<td>The future of Industrial IOT: EdgeX Foundry, the open source interoperability framework</td>
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<td>Maurizio Simonelli</td>
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<td>Analyzers Systems 4.0</td>
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<td>12:00</td>
<td>Przemyslaw Sikorski</td>
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<td>Cybersecurity: protect your plant against potential threats</td>
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<td>Eleonora Porro</td>
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<td>Enel Thermal Generation: advanced control system</td>
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<td>Max Veronesi</td>
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<td>Post fata resurgo: making the control system revamping being bumpless and starting point for new improvements</td>
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<td>Michele Ferrante</td>
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<td>A more efficient approach to Control Valve Maintenance</td>
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<td>15:00</td>
<td>Jack Koeken</td>
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<td>Advanced gas flow measurements in Oil &amp; Gas and Power Industries</td>
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<td>Roberto Motta</td>
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<td>Build a More Secure Process Control System - Manage Threats with a Comprehensive Security Approach</td>
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<td>Cristian Moraes</td>
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<td>Oil Refinery applies IIoT for Process Control</td>
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Wednesday, July 4, 2018 - ROOM DELL’INCOMPIUTA

CONFERENCE SESSION
Chairman: Diego Bertazzo | MAIRE TECNIMONT | AIS President

11.00  Ole Bredal | AUTRONICA FIRE AND SECURITY
IEC61508 (Functional Safety) SIL2  How this is relevant to Fire detection systems

11.30  Patrick S. Flanders | ATV HIPPS
"Out-of-the-box" High Integrity Pressure Protection Systems (HIPPS) for Oil and Gas Wellheads.

12.00  Angelo Caputi | BECKHOFF AUTOMATION
Exceptionally compact and intrinsically safe: Terminals for explosion protection

12.30  François Charbonneau | ALTRAN
What experiences from other industries tell us about oil& gas cybersecurity?

13.00  BUFFET LUNCH

14.00  Gianantonio Favalessa | ITAL CONTROL METERS
Creation of combustion efficiency using Kurz thermal mass flowmeters

14.30  Hans Van Nuenen | KROHNE
Analyst Management and Dynamic Quality Measurement

15.00  Arnhold Thorsten | STAHL
New dimensions of explosion protection: How a revolutionary technology helps to make the flameproof encapsulation fit for Process Automation Technologies

15.30  Alessandro Guarise | TECHINT
Dynamic simulation: a tool for advanced process control strategies and design

16.00  Josh Ferrara, Claudio Nespoli | XSIGHT by SAIPEM
Industrial Analytics solution for oil&gas

Wednesday, July 4, 2018 - ROOM DEGLI AFFRESCHI

CONFERENCE SESSION
Chairman: Stefano Malavasi | POLITECNICO DI MILANO

11.00  Luca Orazietti, Manuele Mainetti | FORES ENGINEERING
Shelter in place: competence migration from analyzer system to survival modules

11.30  Kumar Pankaj | AEPC, MoPE
Renewable Energy Challenges and Business Opportunities

12.00  Nunzio Bonavita | ABB
Digital Transformation in the measurement business: evolving from device supplier to data provider

12.30  Daniel Vogt | KROHNE
E-RTTM - State of the Art Leak and Theft Detection

13.00  BUFFET LUNCH

14.00  Fabrizio Delledonne | IMI ORTON
Radio Frequency Identification (RFID) as effective tracking system of goods at site: the experience of IMI ORTON for TengizChevron FGP/ WPMP project

14.30  Leonardo Ongetta | ROTORK
A Revolutionary Digital Controller

15.00  Giacomo Ardizio | TELOS
Gas sampling and analysis for process control

15.30  Lieven Dubois
ISA 18.2 WGB

16.00  David Orr | SAFETY ENG.
Fire and Gas Mapping
CONFERENCE PROGRAMME
Thursday, July 5

ROOM DEGLI STUCCHI
ROOM DEGLI AFFRESCHI
ROOM DELL’INCOMPIUTA

Thursday, July 5, 2018 - ROOM DEGLI STUCCHI

CONFERENCE SESSION
Chairman: Massimo Manzari | UNIVERSITÀ MILANO BICOCCA

10.00

Keynote speech: Paolo Coletti | TECHINT
New opportunities for engineering and construction companies in an evolving and challenging scenario

10.30

Keynote speech: Federico Mazzanti | XSIGHT by Saipem
New opportunities offered by digitalization in the engineering Life-Cycle

11.00

Giuseppe Iandolo | EMERSON
Advanced Phase Measurement: designed to reduce process upsets in challenging applications

11.30

Guido Meraviglia | SENSITRON
The importance of regulations in gas detection

12.00

Jan Stefan Michels | WEIDMÜLLER
Industry 4.0 – The Evolution of Changing Data into Insights Optimizing of Efficiency and Availability in the Process Industry

12.30

Stefano Ricci | HTLAW
The impact of the ‘Internet of Things’ on privacy, data protection and security

13.00

BUFFET LUNCH

14.00

Vincenzo Penta | VEGA
VEGA: A history of developing innovative solutions for the refinery and chemical industries.

14.30

Ezio Pasqualon, Luigi Calviello | TECNIMONT/ECTPAC
Compressor control systems standardization

15.00

Mario Rago, Lorenzo Della Penna | ENDRESS&HAUSER
IIoT in the instrumentation for process unit

15.30

Giuseppe Lettere | BECKHOFF AUTOMATION
PC-based control for process automation: products for hazardous areas and integration of relevant interfaces

16.00

Gianluigi Rossi | SAMSON
SAMSON – Success in Critical Application for Energy and Power Control Systems
**Thursday, July 5, 2018 - ROOM DELL’ INCOMPIUTA**

**CONFERENCE SESSION**
Chairman: Diego Bertazzo | MAIRE TECNIMONT | AIS President

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<th>Time</th>
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| 11.00 | Mirko Vincenti | BECKHOFF AUTOMATION  
Cyber-Physical Protection of SCADA and ICS Systems |
| 11.30 | Jean-Nicolas Adami | METTLER TOLEDO  
New advances in folded pathlength technology  
for Process Tunable Diode Laser Absorption Spectrometers (TDLAS) |
| 12.00 | Pouriya H Niknam | PIRAMOOON SYSTEM QESHM  
Intelligent sonic online flow measurement |
| 12.30 | Daniele Romano | VEGA  
80GHz technology in process measurement – Experience from the Field |
| 13.00 | | BUFFET LUNCH |
| 14.00 | Kiell Wold, Adriana Caba | EMERSON  
Corrosion and erosion monitoring system and integrity management perspective |
| 14.30 | Massimo Manzari, Andrea Rossetti | UNIVERSITA’ MILANO BICOCCA  
A responsible approach to industrial open Ecosystem |
| 15.00 | | AWARD CEREMONY: Ideas 4 Automation  
Chairmen: Stefano Malavasi, Diego Bertazzo e Matteo Finardi |

**Thursday, July 5, 2018 - ROOM DEGLI AFFRESCHI**

**CONFERENCE SESSION**
Chairman: Alberto Bellomo | MAIRE TECNIMONT

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<th>Time</th>
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| 11.00 | Dean Kevin | MSA (c/o Senscient Ltd.)  
ELDS Enhanced Laser Diode Spectroscopy Gas detection: the new era of laser open path gas detection |
| 11.30 | Alessandro Brunelli |  
Need for traceability, uncertainty and calibration of measuring instruments in the industrial, environmental and welfare fields:  
A reference handbook |
| 12.00 | Julien Trufandler, Umberto Avanzini | NEXANS  
Hypron Technology, a sustainable and innovative hydrocarbon resistance by lead substitution |
| 12.30 | Ranjan Bhattacharya |  
Instrumentation Reliability: A systematic approach |
| 13.00 | | BUFFET LUNCH |
| 14.00 | Maurizio Castellano | BAGGI  
Desalting, Desalters, and salt in crude monitoring in process: an overview |
| 14.30 | Paolo Rolando | BROOKS INSTRUMENT  
VA Meters are ready to meet the latest communication requirements:  
Foundation Fieldbus |
| 15.00 | Rainer Hoffmann | AS SCHNEIDER / INOX RIVA  
Absolutely safe in case of fire |
| 15.30 | Enrico Dani | CRISP TECHNOLOGY  
Cybersecurity: latest threats in industrial environments and their solutions |
**HOW TO REACH THE VENUE**

**By Car**
Belgioioso is situated 10 km from Pavia, 40 km from Milano, 40 km from Piacenza, 20 km from Lod. The correct address for GPS is Viale Dante Alighieri 3, 27011 Belgioioso.

**By plane**
Arrival at the Milan airports (Malpensa or Milano Linate) – then go (by taxi or public transportation) to the Milan Porta Garibaldi station and get the Shuttle Bus to the Venue (please see the timetable below and the plan).

**By Shuttle Bus**
Shuttle Bus from Milano PORTA GARIBALDI Station – Bus stop Viale Sturzo, 45 near Ex Hotel Executive. Please contact the hostess on site. A shuttle bus service is provided for both days starting from 8.00 am. Please reserve the bus registering online (see visitor registration chapter).

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